

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	16	((THEODORE) near2 (CIOLKOSZ)).INV.	US-PGPUB; USPAT	ADJ	OFF	2011/06/28 10:53
L6	2	((MARC) near2 (LEMELIN)).INV.	US-PGPUB; USPAT	ADJ	OFF	2011/06/28 10:55
L7	26	US-5189798-\$.DID. OR US-4440382-\$.DID. OR US-3747630-\$.DID. OR US-5635245-\$.DID. OR US-5618619-\$.DID. OR US-5527596-\$.DID. OR US-5506038-\$.DID. OR US-5268217-\$.DID. OR US-5190807-\$.DID. OR US-5135808-\$.DID. OR US-4382100-\$.DID. OR US-5679413-\$.DID. OR US-5653812-\$.DID. OR US-5643423-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2011/06/28 11:13
L8	0	(073/864.83,864.84).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/28 11:38
L9	218	(73/864.83,864.84).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/28 11:38
S1	402	"5,506,038", "5,508,092", "5,508,368", "5,527,596", "5,618,619", "5,635,245", "5,643,423", "5,653,812", "5,679,413" "5,844,225"	US-PGPUB; USPAT	OR	OFF	2011/06/23 14:37
S2	10	("5,506,038", "5,508,092", "5,508,368", "5,527,596", "5,618,619", "5,635,245", "5,643,423", "5,653,812", "5,679,413" "5,844,225").pn.	US-PGPUB; USPAT	OR	OFF	2011/06/23 14:38
S3	84	S1 and valve	US-PGPUB; USPAT	OR	OFF	2011/06/23 14:38
S4	396	(251/208).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/23 15:04
S5	3	("5819798" "4440382" "3747630").pn.	US-PGPUB; USPAT	OR	OFF	2011/06/23 15:13
S6	7	("1742828"   "2387397"   "3742979"   "3880402"   "4013264").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2011/06/23 15:17
S7	32	("4440382").URPN.	USPAT	ADJ	OFF	2011/06/23 15:18
S12	0	"10598316".ap.	US-PGPUB; USPAT	ADJ	OFF	2011/06/23 15:42
S13	8	"598316".ap.	US-PGPUB; USPAT	ADJ	OFF	2011/06/23 15:42
S14	0	("2008/0258094").URPN.	USPAT	ADJ	OFF	2011/06/23 15:43
S15	9	((JAMES) near2 (USOWICZ)).INV.	US-PGPUB; USPAT	ADJ	OFF	2011/06/23 15:50
S16	9	((JAMES) near2 (USOWICZ)).INV.	US-PGPUB; USPAT	ADJ	OFF	2011/06/23 15:50

S17	16	("4158630"   "4300393"   "4444066"   "4444066"   "4506558"   "4625569"   "5207109"   "6012487"   "6012488"   "6129840"   "6155123"   "6382035"   "6382035"   "6453946"   "6672336"   "6672336"   "6874354"   "6012487"   "6672336"   "6874354"   "7195229"   "7503203").PN.	USPAT	ADJ	OFF	2011/06/23 16:02
S18	6	("4661052"   "5165699"   "5287030"   "5296145"   "6012488"   "6382035").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2011/06/23 16:06
S19	6	("4661052"   "5165699"   "5287030"   "5296145"   "6012488"   "6382035").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2011/06/23 16:09
S20	6	("6453946").URPN.	USPAT	ADJ	OFF	2011/06/23 16:09
S21	489	("20010020693"   "20010035516"   "20020028289"   "20020071949"   "20020127404"   "20020192371"   "20030099835"   "20040038033"   "20040058155"   "20040067362"   "20040069358"   "20040118455"   "20050241239"   "20060005900"   "20060038156"   "20060059688"   "20060079863"   "20060105172"   "20060150862"   "20060236780"   "20070074664"   "20070224242"   "20070278444"   "20070284255"   "20080011976"   "20080044451"   "20080070049"   "20080073505"   "20080315146"   "20100186834"   "20100252130"   "2020286"   "2411867"   "2639116"   "2793282"   "2861166"   "2947610"   "2968723"   "3141746"   "3173175"   "3207582"   "3346458"   "3371404"   "3384119"   "3504063"   "3607061"   "3615208"   "3630677"   "3630678"   "3630679"   "3635811"   "3667503"   "3702573"   "3714332"   "3747638"   "3766914"   "3794026"   "3813296"   "3829969"   "3840451"   "3854493"   "3879175"   "3912500"   "3913280"   "3916506"   "3929432"   "3934612"   "3941903"   "3953178"   "3959557"   "3965935"   "4006540"   "4018241"   "4029368"   "4054426"   "4084942"   "4104441"   "4115156"   "4162954"   "4173522"   "4183377"   "4190301"   "4228142"   "4241135"   "4260203"   "4325403"   "4327758"   "4345798"   "4367130"   "4378029"   "4385880"   "4387287"   "4394400"   "4410054"   "4434188"   "4457491"   "4468138"   "4490229"   "4492845"   "4504519"   "4509519"   "4524106"   "4531273"   "4532149"   "4540636"   "4554208"   "4591418"   "4594294"   "4597844"   "4610577"   "4618505"   "4620601"   "4621031"   "4661213").PN. OR ("4663183"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2011/06/23 16:16

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S22	0	"7216661"   "6935618"   "6904935"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2011/06/23 16:20

S23	3	("7216661" "6935618" "6904935").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/06/23 16:20
S24	6	("6453946").URPN.	USPAT	ADJ	OFF	2011/06/24 08:08
S25	17	("3,203,249" "3,223,123" "3,297,053" "4,068,528" "4,182,184" "4,242,909" "4,243,071" "4,393,726" "4,476,731" "4,506,558" "4,577,515" "5,207,109" "5,803,117" "6,012,488" "6,155,123" "6,672,336" "6,453,946").pn.	USPAT	OR	OFF	2011/06/24 08:21
S26	14	(US-4444066-\$ or US-4300393-\$ or US-4158630-\$ or US-4506558-\$ or US- 4625569-\$ or US-5207109-\$ or US- 6012487-\$ or US-6012488-\$ or US- 6155123-\$ or US-6453946-\$ or US- 6672336-\$ or US-7503203-\$ or US- 5287030-\$ or US-6904935-\$).did.	USPAT	ADJ	OFF	2011/06/24 11:23
S27	6	S26 and housing	US-PGPUB; USPAT	ADJ	OFF	2011/06/24 11:24
S28	0	("4,935,313" "4,966,789").pn.	US-PGPUB; USPAT	ADJ	OFF	2011/06/24 14:18
S29	2	("4,935,313" "4,966,789").pn.	US-PGPUB; USPAT	OR	OFF	2011/06/24 14:18
S30	128	(137/625.15).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/24 15:21
S31	25	(US-20080053901-\$ or US- 20110067770-\$ or US-20080053543-\$ or US-20010035516-\$).did. or (US- 4444066-\$ or US-4300393-\$ or US- 4158630-\$ or US-4506558-\$ or US- 4625569-\$ or US-5207109-\$ or US- 6012487-\$ or US-6012488-\$ or US- 6155123-\$ or US-6453946-\$ or US- 6672336-\$ or US-7503203-\$ or US- 5287030-\$ or US-6904935-\$ or US- 2045077-\$ or US-3975946-\$ or US- 4019535-\$ or US-5803117-\$ or US- 6537451-\$ or US-6719001-\$ or US- 7500490-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2011/06/24 15:39
S32	1	S31 and polyetheretherketone	US-PGPUB; USPAT	ADJ	OFF	2011/06/24 15:40
S33	1841	(251/368).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/27 09:56
S34	19	S33 and amorphous near4 diamond	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 09:56
S35	0	S33 and amorphous near4 diamond and carbon-silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 09:57
S36	0	S33 and amorphous near4 diamond and carbon near4 silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 09:58
S37	15	S33 and amorphous near4 diamond and silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 09:58
S38	0	"6,165,616.pn"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 10:14
S39	1	"6,165,616".pn.	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 10:15

S40	193	amorphous near4 diamond and carbon near4 silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 10:41
S41	6	carbon same hydrogen same silica-carbon	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:09
S42	192	carbon same hydrogen same silicon carbide same diamond	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:12
S43	0	carbon near6 hydrogen near6 silicon carbide near10 diamond	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:12
S44	0	diamond like silicon carbide coating	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:13
S45	11	diamond like silicon carbide	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:13
S46	1	diamond like silicon carbide and coat	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:15
S47	25	(US-20080053901-\$ or US-20110067770-\$ or US-20080053543-\$ or US-20010035516-\$).did. or (US-4444066-\$ or US-4300393-\$ or US-4158630-\$ or US-4506558-\$ or US-4625569-\$ or US-5207109-\$ or US-6012487-\$ or US-6012488-\$ or US-6155123-\$ or US-6453946-\$ or US-6672336-\$ or US-7503203-\$ or US-5287030-\$ or US-6904935-\$ or US-2045077-\$ or US-3975946-\$ or US-4019535-\$ or US-5803117-\$ or US-6537451-\$ or US-6719001-\$ or US-7500490-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:44
S48	1	S47 and silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:44
S49	0	S33 and silica coat\$4	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:44
S50	46	S33 and silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 11:45
S51	5293	silica carbon	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:35
S52	1	S51 and S33	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:36
S53	4668	carbon silica	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:38
S54	1	S53 and S33	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:38
S55	25	S33 and silicon dioxide	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:42
S56	1	S47 and silicon	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 12:45
S57	0	"% carbon" near\$5 "% hydrogen" near\$4 "% silicon"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:03
S58	0	carbon near\$5 hydrogen near\$4 silicon	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:04
S59	28384	carbon same hydrogen same silicon	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:04

S60	58	"% carbon" with "% hydrogen" same "% silicon"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:04
S61	58	"% carbon" with "% hydrogen" with "% silicon"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:04
S62	0	"(% or percent) polyetheretherketone" with "(% or percent) tetrafluoroethelene"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:42
S63	0	"% polyetheretherketone" with "% tetrafluoroethelene"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:43
S64	1	polyetheretherketone with tetrafluoroethelene	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:43
S65	1	polyetheretherketone same tetrafluoroethelene	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:43
S66	1	polyetheretherketone and tetrafluoroethelene	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:44
S67	584	(polyether ether ketone or PEEK)and (tetrafluoroethelene or TFE)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:47
S68	103	(polyether ether ketone or PEEK) with (tetrafluoroethelene or TFE)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:48
S69	0	"(% or percent)(polyether ether ketone or PEEK)" with (tetrafluoroethelene or TFE)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:48
S70	0	"%(polyether ether ketone or PEEK)" with (tetrafluoroethelene or TFE)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:48
S71	0	("% polyether ether ketone" or "% PEEK") with ("% tetrafluoroethelene" or "% TFE")	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:50
S72	0	"% PEEK" with "% TFE"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:51
S73	0	"% PEEK" same"% TFE"	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:51
S74	0	("%" near2 PEEK) same ("%" near2 TFE)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 14:59
S75	29	(US-20080053901-\$ or US- 20110067770-\$ or US-20080053543-\$ or US-20010035516-\$ or US- 20060257663-\$).did. or (US-4444066- \$ or US-4300393-\$ or US-4158630-\$ or US-4506558-\$ or US-4625569-\$ or US-5207109-\$ or US-6012487-\$ or US- 6012488-\$ or US-6155123-\$ or US- 6453946-\$ or US-6672336-\$ or US- 7503203-\$ or US-5287030-\$ or US- 6904935-\$ or US-2045077-\$ or US- 3975946-\$ or US-4019535-\$ or US- 5803117-\$ or US-6537451-\$ or US- 6719001-\$ or US-7500490-\$ or US- 4797527-\$ or US-7141824-\$ or US- 6762068-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 15:27
S76	7	S75 and aluminum	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 15:28
S77	10	S75 and (aluminum or titanium)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 15:28

S78	3	S75 and (tetraflu\$ or polyether\$)	US-PGPUB; USPAT	ADJ	OFF	2011/06/27 15:45
S79	403	(73/863.71,863.72,863.73).OCLS.	US-PGPUB; USPAT	OR	OFF	2011/06/28 08:19

**6/28/2011 11:40:30 AM**

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